

Abstract

An animal and vegetable oils combustor, wherein primary air is introduced into a burner tile in the form of straight-ahead air flow moving straight ahead along the axial direction of the burner tile and secondary air is introduced in the form of swirl air flow moving along the inner surface of the side wall of the burner tile, whereby perfect combustion is liable to occur since a centrifugal force acts on liquid-drop fuel by swirl air flow to diffuse the fuel in the radial direction and the liquid-drop fuel does not take such a route as to be adhered to the inner wall even if char is included in the liquid drop fuel since the fuel is jetted after the grain size thereof is adjusted to small one beforehand.